

Appendix D

Terminations and Efficiencies

The most frequently used terminations for wire rope are shown in Figure D-1. The approximate efficiencies for these terminations (Figure D-2) are based on the nominal strength of the various sizes of wire rope.

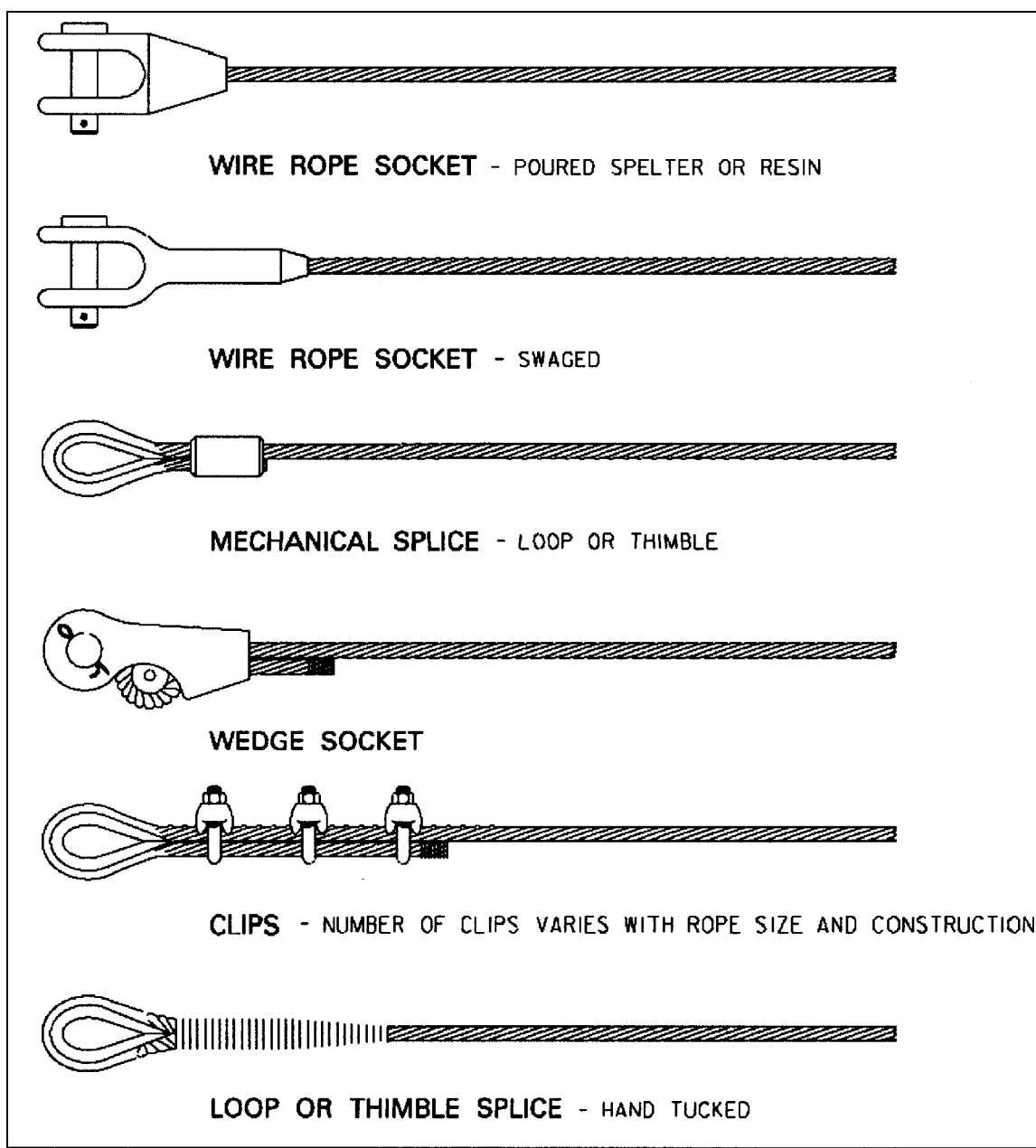


Figure D-1. Frequently used terminations

Type of Termination	Efficiency	
	Rope with IWRC	Rope with FC
Wire Rope Socket (Spelter or Resin)	100%	100%
Swaged Socket (Regular Lay Ropes Only)	100%	(Not recommended)
Mechanical Spliced Sleeve (Flemish Eye) 1" dia. and smaller Greater than 1" dia. through 2" Greater than 2" dia. through 3 1/2"	95% 92 1/2 % 90%	92 1/2 % 90% (Not established)
Loop or Thimble Splice—Hand Spliced (Tucked) (Carbon Steel Rope) 1/2" 5/8" 3/4" 7/8" thru 2 1/2"	86% 84% 82% 80%	86% 84% 82% 80%
Loop or Thimble Splice Hand Spliced (Tucked) (Stainless Steel Rope) 1/2" 5/8" 3/4" 7/8"	76% 74% 72% 70%	
Wedge Sockets *	75% to 80%	75% to 80%
Clips **	80%	80%
<p>* These values apply for properly installed wedge sockets. Refer to the wire rope users manual for installation.</p> <p>** These values apply for properly installed clips. Refer to the wire rope users manual for installation.</p>		

Figure D-2. Approximate efficiencies for terminations of wire rope